AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Claim 1 (currently amended): A method for displaying navigational data associated with an aircraft on a display having a display coordinate system, said method comprising the steps of:

providing one or more databases, each database including navigational data stored as geospatially organized data structures that include data representative of latitude and longitude coordinates;

retrieving data from one or more of said databases;

dynamically tiling the retrieved data onto one or more other data structures that represent display elements projected into the display coordinate system;

~~projecting and~~ culling the ~~retrieved~~ dynamically tiled data to a current display range, to thereby generate display data structures;

updating, in real-time, a projected display database that includes the generated display data structures and that substantially maintains correct projections of the ~~projected~~ dynamically tiled and culled data from latitude and longitude coordinates to Cartesian coordinates;

modifying said display database in accordance with avionics data associated with said aircraft; and

displaying said display database in accordance with said modifying step.

Claim 2 (currently amended): A display system comprising:

a cursor control device (CCD) configured to accept input from a user;

a display computer coupled to said CCD and configured to process avionics data and said input from said user, wherein said display computer is further coupled to a display having a display coordinate system and at least one database including navigational data stored as

geospatially organized data structures that include data representative of latitude and longitude coordinates;

said display computer further configured to:

dynamically tile data retrieved from the at least one database onto one or more other data structures that represent display elements projected into the display coordinate system;

~~project and~~ cull ~~geospatially organized data structures retrieved from each database~~ the dynamically tiled data to a current display range, to thereby generate display data structures;

update, in real-time, a projected display database that includes the generated display data structures and that substantially maintains correct projections of the ~~projected~~ dynamically tiled and culled data from latitude and longitude coordinates to Cartesian coordinates;

modify said display database in accordance with avionics data associated with an aircraft; and

display said display database in accordance with said modifying step.

Claim 3 (previously presented): The method of claim 1, further comprising the step of unifying map and plan mode presentations into a virtual map.

Claim 4 (previously presented): The method of claim 1, further comprising the step of simultaneously displaying at least two profiles.

Claim 5 (previously presented): The method of claim 1, further comprising the step of displaying a map from a variable perspective, wherein the angle of incidence between the pilot's view and earth's surface is set at an angle of less than ninety degrees.

Claim 6 (previously presented): The system of claim 2 wherein the display computer is configured to display a map from a variable perspective.

Claim 7 (previously presented): The system of claim 2, further comprising a map of layered information, wherein said layers are controllable via graphical interfaces.

Claim 8 (previously presented): The system of claim 2, wherein said CCD is a graphical user interface.

Claim 9 (previously presented): The system of claim 2, wherein said display is configured to display flight plan transitions as curved paths from one flight leg to the next.

Claim 10 (canceled).